Bridges to College Presentation 6 (Module 4.8)

Access & Engagement Office, Technological University City

Follow this and additional works at: https://arrow.tudublin.ie/comlinkart

Part of the Higher Education Commons

Recommended Citation

This work is licensed under a Creative Commons Attribution-Noncommercial-Share Alike 3.0 License
EXPLORE THE WORLD OF WORK WITH THESE INFORMATIONAL WEBSITES
What are Industry Sectors?

Industry sectors contain a collection of occupations that have something in common – for example, the type of work they do or their role in the economy. People are often attracted to the products or services provided by a particular sector, and seek to find employment in that area. Careers Portal provides information on over 30 sectors that make up the Irish labour market. These are divided into 6 categories to make it easy to explore and help career seekers to make informed choices.
What are Industry Sectors?

Industry sectors contain a collection of occupations that have something in common, for example, the type of work they do or their role in the economy. Very often people are attracted to the products or services provided by a particular sector, and seek to find employment close to the essence of that area.

We provide information on over 30 sectors that make up the Irish Labour market. These have been divided into 6 main categories to make it easy to explore.

Where possible we bring you the most up-to-date information directly from the experts that oversee the different sectors. These organisations provide detailed information from which career seekers can make their most informed choices.

- **Living Environment**
  - Agriculture, Horticulture, Forestry & Food
  - Animals & Veterinary Science
  - Maritime, Fishing & Aqua-culture

- **Science & Engineering**
  - Building, Construction & Property
  - Computers & Software
  - Chemical, Biomedical & Pharmaceutical Sciences
  - Mechanical Engineering & Manufacturing
  - Electrical & Electronic Engineering
  - Physical & Mathematical Sciences
  - Earth Science & Environment
  - Medical Devices

- **Medical & Caring**
  - Medical & Healthcare
  - Social & Caring

- **Artistic & Creative**
  - Art, Craft & Design
  - Fashion & Beauty
  - Entertainment & Performing Arts

- **Society & Government**
  - Civil/Public Service, Local Government & Politics
  - Tourism & Hospitality
  - Leisure, Sport & Fitness
  - Security, Defence & Law Enforcement
  - Education
  - Law & Legal
  - Media & Publishing
  - Classic Arts, Languages and Culture

- **Business & Administration**
  - Advertising, Marketing and Public Relations
  - Clerical & Administration
  - Sales, Retail & Purchasing
  - Accountancy & Taxation
  - Business Organisation & Business Management
  - Banking, Insurance & Financial Services
  - Transport & Logistics
SECTORS WITHIN A SPECIFIC INDUSTRY (USING LIVING ENVIRONMENT AS AN EXAMPLE HERE)

SECTORS

VIDEOS RELATING TO THIS SECTOR – REAL PEOPLE IN THE JOBS THEY DO (WANT AN IDEA OF WHAT TO EXPECT?)

Turning the spotlight on to one particular worker and their area – hear them talk about their job.

See profiles on companies within these areas, as well as a report by FAS & Future Skills Needs of this industry.
See what jobs are lacking skilled professionals – useful to know in an overpopulated workforce (study towards areas where jobs exist). More specific video profiles for this sector. Here you can find out a bit more about a job you’re interested in – hear it from the horse’s mouth (so to speak!).

Here is an extensive list of the occupations within this sector. See what jobs fall under this category for a more detailed look.

Here you will find all the latest news & articles to keep you up-to-date with what’s happening at the moment.

Full description of this area. Find out things about this sector you never knew.

Links to other online material you may find useful about your chosen sector.

Skills shortages

More information on skills shortages can be found in the Labour Market Information section of this site.

Scientist

Engineer - Planning

Employment Trends

FAS - Expert Group on Future Skills Needs

Other Craft Occupations

Operatives

General Workers

Sample Occupations

Agricultural Adviser

Agricultural Mechanic

Agricultural Officer

Agricultural Horticulturist

Agriculture

When we think of Agriculture we automatically think of farming. But Agriculture is not just confined to farming. This sector of our economy is linked to everything from the clothes we wear (cotton jeans and t-shirts, woolen jumpers and coats, leather shoes and jackets) to the food we eat and drink. When we go on holiday or even pursue our hobbies we often engage the services of people working in the Agriculture Sector.

Government Labour Reports forecast a continued decline in the number of people employed in traditional agriculture careers such as farming, but the wider sector offers many new opportunities in the areas such as Food Scientist, Horse Breeder, Environmental Officer/Management, Jockey and Agricultural Research.

Although the nature of the work can be very physical, it offers a healthy and rewarding lifestyle. As a starting point, you should consider whether you would enjoy the outdoor life and working with nature.

Teagasc is the main provider of further education in agriculture, food, horticulture, forestry and equine studies. Many courses incorporates management practices and technologies on the home farm, supervised project work and discussion groups. View courses.

Agritourism

There is a growth in outdoor recreation and it is creating career opportunities for people supplying professional tourism services in rural settings in activities such as horse-riding, fishing, golfing, sailing and hill-walking. Many farmers are now opening their farms up to tourists. This form of expanded Agritourism has potential to offer full and part-time careers.

Horticulture

Horticulture is the art and science of the cultivation of plants. Horticulurists

Ask the Experts

About their sector?

About career opportunities?

About education & training?

About global opportunities?

Their advice for career seekers?

Includes career interviews

Includes career interviews

Online Resources

Technology Ireland – Irish Science Technology Events

About Bioscience [US]

Biotechnology Ireland

The Green Economy in Ireland (EGFSN)

Sector Career News

• Graduates start new Bord Bia Food Marketing Graduate Programme August 3, 2011

• Australia is looking for Ireland's unemployed
CONTINUING DOWN THE PAGE, WE SEE THIS ‘JOB SEARCH’ BOX ON THE LEFT HAND SIDE. IT SHOWS ONLINE JOB SEARCH DATABASES SUCH AS ‘IRISH JOBS’ AND ‘MONSTER’ – WHO ARE ADVERTISING VACANCIES WITHIN THIS SECTOR UNDER DIFFERENT CATEGORIES. USE THIS TO SEE WHAT’S CURRENTLY AVAILABLE OUT ON THE WEB AND THE TYPES OF JOBS COMPANIES / ORGANISATIONS ARE RECRUITING FOR.

Amenity Horticulture includes gardening, designing and a whole lot more. It starts with the design and construction of recreational areas. These can be parks, nature reserves, wildlife gardens, and roadside plantings, amongst other designed landscapes.

These areas can be public, as with local authority parks, and roadside plantings, so important to wildlife. They can also be private, as in stately homes, apartment complexes and so on.

If you enjoy sport, remember an amenity horticulturist is likely to have designed, constructed and maintained the playing field, tennis court, running track, bowling green or golf course.

Commercial horticulture involves the growing and selling of food crops and ornamental plants. In the area of food production it is the horticulturist who faces the challenge of growing the fruit and the vegetables that we eat. It is also the horticulturist who grows the flowers and pot plants to decorate our homes and public spaces.

Gardening is now the number one active leisure pursuit, and gardeners are demanding new plant types and increased quality. Producing these crops is a very technical business, involving automated systems, controlled using state of the art computer technology, alongside traditional skills.

Commercial horticulture also includes retail horticulture, and working in retail nurseries is challenging - building effective eye-catching displays, marketing plants, as well as dealing with people’s enquiries. Work in retail horticulture is probably more interesting and demanding than any other type of retail work.

Horticulture includes all this and much more. Job prospects are very good in this area as Irish people have become more environmentally conscious. People are showing greater interest in their gardens and the outdoor world in general.

Forestry
This is the art, science, and practice of managing forests and plantations.
Ireland is fortunate in that it has one of the most suitable climates in the world for growing trees. There are over 10,000 people directly employed in activities such as planting, harvesting, transport and the Government has a forestry trajectory which aims to double this figure over the next 10 years. (See ‘Experts’ profile for Coillte for more details.)

Food Science
Food science is concerned with all technical aspects of food, beginning with harvesting or slaughtering, and ending with its cooking and consumption. It is considered one of the agricultural sciences, and is usually considered distinct from the field of nutrition.

Examples of the activities of food scientists include the development of new food products, design of processes to produce these foods, choice of packaging materials, shelf-life studies, sensory evaluation of the product with trained expert panels or potential consumers, as well as microbiological and chemical testing.

Food scientists at universities may study more fundamental phenomena that are directly linked to the production of particular food product and its processing.

ON THE ENTIRE RIGHT HAND SIDE OF THE PAGE YOU WILL SEE COURSES AVAILABLE TO STUDY AREAS WITHIN THIS SECTOR, FROM THE LIKES OF UCD, DCU, NUI, DIT AND SO ON. COURSES INCLUDED ARE THOSE LISTED ON CAO, HETAC, PLC & FETAC. HERE YOU WILL FIND PLENTY OF OPTIONS FOR FURTHER STUDY WITHIN YOUR CHOSEN SECTOR AND INFORMATION ON THE CREDITS NEEDED FOR THE PREVIOUS YEAR (IN THIS CASE, 2010). CLICK ON ANY COURSE TO SEE MORE DETAILS.
ONCE YOU’VE SELECTED YOUR OCCUPATION, YOU WILL SEE INTERESTS RELATED TO YOUR CHOSEN CAREER UNDER THIS HEADING WILL LIST SPECIFIC JOB ADVERTISEMENTS RELATED TO THIS TYPE OF JOB. CLICK THROUGH TO SEE DESCRIPTION.

THE COURSE SUGGESTIONS DOES THE HARD WORK FOR YOU – IT SELECTS CAO COURSES DESIGNED TO WORK WITH THIS JOB IN MIND. SO YOU START A QUALIFICATION THAT WILL ULTIMATELY LEAD TO THIS TYPE OF CAREER ROLE. CLICK THROUGH TO SEE THE COURSE & POINTS REQUIRED.

THE ENTIRE MIDDLE OF THE PAGE DESCRIBES THE JOB SELECTED, EDUCATIONAL REQUIREMENTS, EXPERIENCE & TRAINING NEEDED, AS WELL AS THE TYPICAL ENTRY ROUTES YOU CAN FOLLOW TO OBTAIN THIS POSITION. A USEFUL GUIDE TO WHAT IS IN STORE FOR YOU SHOULD YOU SELECT THIS JOB.

OCCUPATION INFORMATION

In brief... Agricultural Adviser

Brief Description:
Supervises departmental staff and monitors the implementation of various Government schemes relating to Agriculture, Food and Forestry.

JobZone

Education
Most of these occupations require qualifications at NFQ Levels 7 or 8 (Ordinary / Honours Degrees) but some do not.

Related Experience
A considerable amount of work-related skill, knowledge, or experience is needed for these occupations. For example, an engineer must complete four years of college and work for several years in engineering to be considered qualified.

Job Training
Employees in these occupations usually need several years of work-related experience, on-the-job training, and/or vocational training.

Job Zone Examples
Many of these occupations involve coordinating, supervising, managing, or training others. Examples include accountants, sales managers, computer programmers, teachers, chemists, environmental engineers, criminal investigators, and financial analysts.

Qualifications required?
Degree with work experience.

Typical entry routes:
A level 8 degree in Agricultural Science with relevant work experience.

Sectors related to this occupation:
This occupation is typically found in the sectors below. You can explore information relating to sectors by clicking on the titles below.

Agriculture, Horticulture, Forestry & Food
What is a Pay Scale and what is PayScale.com?

A pay scale is the range of money typically paid for a job, between an average minimum amount and an upper limit. Various factors are taken into consideration when offering appropriate remuneration for a skilled job – including qualifications and experience. The more you have of each the higher you are likely to be paid.

On the PayScale website you can find out some of the following interesting facts:
* Precise salary for exact position
* The most ‘Popular Employers’ and ‘Top Degrees’
* ‘Pay by City’ and ‘the city most people work in’

There is an interesting comparison which we can make – the difference in pay based on gender (more on this later).
In the long-running struggle for pay equality, who earns more?
We will also show the gender percentages in particular jobs.
<table>
<thead>
<tr>
<th>ACCOUNTS ASSISTANTS</th>
<th>PRIMARY SCHOOL TEACHERS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Jack</strong> is an enthusiastic 22-year-old with a passion for maths and comes from Dublin. <strong>Jill</strong> is a naturally smart 23-year-old and also comes from Dublin. Both recently finished similar accounting courses in two different colleges; both achieved 2.1 honours degrees. Neither has much experience but just gained entry-level positions in a top accounting firm. The pay bracket for this type of job depending on qualifications and experience is <strong>€20,963.00 pa (11.37ph)</strong> to <strong>€36,174.00 pa (19.63ph)</strong>. But who earns more? Statistics show 72% of women in this job and just 28% of men.</td>
<td><strong>Mr Copeland</strong> has been working as a Maths teacher in the same primary school since he qualified almost 7 years ago. <strong>Mrs O’Leary</strong> has been a Science teacher in a nearby school for 4 years but prior to this spent 2 years teaching Maths in a special-needs school. The average pay for primary school teachers is between <strong>€20,660 pa (11.21ph)</strong> and <strong>€52,642 pa (28.70ph)</strong>. Both of these teachers are highly experienced and are about to be offered the same senior position in their respective schools. But who earns more? Statistics show a whopping 89% of women in this job and just 11% of men.</td>
</tr>
<tr>
<td><strong>€21,586.00 (11.71)</strong></td>
<td><strong>€64,000.00 (34.72)</strong></td>
</tr>
<tr>
<td><strong>€25,741.00 (13.97)</strong></td>
<td><strong>€58,000.00 (31.47)</strong></td>
</tr>
</tbody>
</table>

Let’s spend 5 minutes discussing why there are differences in pay based on gender. Are women better at some jobs than men and vice versa?
The ‘exact’ reporting function allows you to input specifics for a position to get a more accurate scale of what you should be paid. Get an idea of how much you could earn. Make sure your country is set to the correct location (Ireland) or if you want to see how much you could earn abroad, change the country to match. Use the search box below to find a job you’re interested in.

Key Statistics shows salary ranges based on a number of different factors, including by ‘popular employers’ or even how much you could earn based on your qualification in ‘top degrees’. A useful tool for catering your career and once again, seeing how much you could earn.

The main chart on this page shows a selection of jobs and the average salary for each. Click for more accurate detail!
Special reports who related articles which may be of use to you when looking at education & pay scales. This includes reports on college costs, trends in compensation and any other useful articles that may be helpful.

These statistic charts give you a little more information. The ‘Gender’ chart shows how much percentage of men or women are earning the average salary. The pie chart shows the percentage of people who have experience within the workforce, from less than a year to more than 20.

Here you will find more charts to further breakdown the country-wide statistics. These include everything from median salaries between cities and the most popular jobs in Ireland. Good if you want to know a lot more information on your chosen career or what the current figures are.

As you can never be ‘too informed’ about a job, industry or salary, there is yet another section dedicated to bringing more information about salaries and careers. Click for more articles and reports.
EXAMPLE JOB PAGE (OFFICE ADMINISTRATOR)

After selecting a job (either by clicking on one or using the search box to find all related occupations) you are given a rather long and detailed 'job page' containing everything you need to know about that chosen career. In this case we chose an average job from the most popular – Office Administrator.

This page has far too much on it to show you everything here, so on the following slide you will find a breakdown of what you can expect to find – including more reports, charts, advertisements, statistics and maps. But best of all, just like the first page, everything is catered specifically to the job you are on – further breaking down the facts as you want them.
JOB PAGE BREAKDOWN

NATIONAL SALARY DATA
A bar chart shows the pay-scale range for your job, from the minimum you can expect to the highest. The chart is broken down into 'basic pay', 'bonus pay' and the total for the year. Here you can see how much you can earn, the lowest being entry level and the highest being achievable through having relevant qualifications and experience.

JOB LISTINGS
This section lists current vacancies for this job. Clicking on a link will take you to the recruiter’s advertisement and provide you with a job description, etc. A useful tool for job hunting or as a guide to what is available.

COMPANIES & INDUSTRIES
If you want to know which popular employers hire for these positions and who you could be working for, here you will find a list of them. In addition, there is a list of the most popular industries where this job exists and what salary range is paid.

KEY STATISTICS
As seen on the first page, here we have the same gender-based percentages and years of experience the current workforce has in this occupation. In addition, we have more data to look at, including top degrees studied towards gaining this job and even what type of benefits can come with the job – such as medical, dental and eyecare (there is also a percentage who do not get these!).

CAREER PATH
This section gives you a glimpse of the most common past jobs that were available and, better, the most common future jobs you can expect to be recruited for under this category. So if you want to see what kind of positions were and are likely to be available, have a look.

SALARY MAP
Would you relocate for the right job if it meant a higher salary? This map of Ireland will show you markers/cities which pay the highest for this particular job. So you could find yourself being paid more for working in Dublin than if you worked in Cork.

JOB DESCRIPTION
It is important to know what kind of jobs you are likely to be doing. This section lists a few of the most common occupations and their job categories. For example, working as an Office Administrator may also fall under the category of Secretarial, Brokering and Support.

MORE CHARTS
Finally, if you still haven't quite found the piece of information, data or chart you’re looking for, it might be here. Charts specific to this job would include: Median Salary by Employer, by City and by Company Size, as well as Experience.
WHY ARE THESE WEBSITES IMPORTANT?
Simply put, they are comprehensive guides for gaining the most knowledge about a chosen profession, the educational requirements of each and the broad salary range. They are not the only source of information out there; much more can be found if you search the web. However, our information was compiled from these two sites as they provide the most accurate, informative sources of information.

IMPORTANT LINKS:

http://www.careersportal.ie – The main webpage contains much more than just job sectors. It also includes guides on education.

http://www.careersportal.ie/sectors – If you want to skip straight to finding out more about a job, start here and choose your industry sector.

http://www.payscale.com/research/IE/Country=Ireland – This will take you directly to the Irish page. Just change the country if you wish.

http://www.payscale.com/research/IE/Country=Ireland/Salary – There are many tabs of research to choose from, but we started from here.

http://www.jobs.ie – If you want to see what vacancies exist at the moment and who are recruiting, get a better idea here. (There are many other job sites available, including Monster, adminjobs, Loadzajobs, and so on).

ONE FINAL ACTIVITY:

Pick a couple of careers and go through Careers Portal and Payscales yourself. See what you could earn, what you would need to study and where you could be in 5 or even 10 years' time. You can even see if there is any need for your chosen skill or where you could best focus your efforts for the future!